

APRIL/MAY 2024

**BSEL64/CSEL64 — CELLULAR PHONES :
PRINCIPLES AND PRACTICE**

Time : Three hours

Maximum : 75 marks



SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. What is sectorisation?
2. What is MSC?
3. Mention the types of input mechanism.
4. What is PDA?
5. Define frequency hopping.
6. What do you mean by signal processing?
7. What is Sniffing?
8. What is MOM?
9. Mention the types of WPAN standards.
10. What is GPRS?

SECTION B — (5 × 5 = 25 marks)

Answer ALL the questions.

11. (a) Outline the cellular concept.

Or

- (b) Enumerate the power control in cell planning.

12. (a) Explain the input mechanism.

Or

- (b) Write a short note on web enabled phones.

13. (a) Write a short note on
(i) Frequency hopping
(ii) Signal processing.

Or

- (b) Discuss the network management software.

14. (a) Describe the mobile messaging.

Or

- (b) Explain : Security threats.

15. (a) Describe the following
(i) 1G standard
(ii) 2G standard

Or

- (b) Discuss the features of TDMA (2G).

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe the cellular network.

17. Write a short note on

- (a) Low end smart phones
(b) High end smart phones.

18. Discuss the radio system software.

19. Explain the following

- (a) Wireless carrier
(b) Mobile message.

20. Explain :

- (a) GPRS (2.5 G)
(b) WCDMA (G)

